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**What is morphine? What is it used for?**

* + - **Morphine is a potent opiate analgesic psychoactive drug and is considered to be the prototypical opioid.**
    - **Morphine is generally 8 to 17 per cent of the dry weight of opium, although specially-designed cultivars reach 26 per cent or produce little morphine at al, under 1 per cent, perhaps down to 0.04 per cent. The latter varieties, including the Przemko and Norman strains of the opium poppy, are used to produce two other alkaloids, thebaine and oripavine, which are used in the manufacture of semi-synthetic and synthetic opioids like oxycodone and etorphine and some other types of drugs.**

**What is heroin? What do you know about it?**

* + - **Heroin, or diacetylmorphine, also known as diamorphine, is a semi-synthetic opioid drug synthesized from morphine, a derivative of the opium poppy.**

A description...

*Questions:*

**What do they have in common?**

* + - **Both Morphine and Heroin are derieved from opium and can be used as medication or recreational drugs but can be highly addictive when used abusively or taken in large doses.**

**What functional groups?**

* + - nicomorphine

Use the following references:

Morphine, see http://en.wikipedia.org/wiki/Morphine

Heroin, see http://en.wikipedia.org/wiki/Heroin